APPENDIX A

PENDING CLAIMS IN USSN 08/731,499

1. An isolated nucleic acid molecule comprising a labeled polynucleotide sequence that hybridizes under stringent conditions to a sequence or to a complement of a sequence selected from the group consisting of SEQ. ID. No. 2, SEQ. ID. No.3, SEQ. ID. No.4, SEQ. ID. No.5, SEQ. ID. No.6, SEQ. ID. No.7, SEQ. ID. No.8, SEQ. ID. No.9, and SEQ. ID. No.10, wherein said stringent conditions comprise a 0.02 molar salt concentration and a temperature of at least 60°C.

6. The isolated nucleic acid of claim 1, wherein said polynucleotide sequence hybridizes under said stringent conditions to a complement of SEQ. ID. No. 4.

7. The isolated nucleic acid of claim 6, wherein said polynucleotide sequence is SEQ. ID. No. 4.

8. The isolated nucleic acid of claim 1, wherein said polynucleotide sequence hybridizes under said stringent conditions to a complement of SEQ. ID. No. 5.

9. The isolated nucleic acid of claim 8, wherein said polynucleotide sequence is SEQ. ID. No. 5.

10. The isolated nucleic acid of claim 1, wherein said polynucleotide sequence hybridizes under said stringent conditions to a complement of SEQ. ID. No. 6.

11. The isolated nucleic acid of claim 10, wherein said polynucleotide sequence is SEQ. ID. No. 6.

12. The isolated nucleic acid of claim 1, wherein said polynucleotide sequence hybridizes under said stringent conditions to a complement of SEQ. ID. No. 7.

13. The isolated nucleic acid of claim 12, wherein said polynucleotide sequence is SEQ. ID. No. 7.

14. The isolated nucleic acid of claim 1, wherein said polynucleotide sequence hybridizes under said stringent conditions to a complement of SEQ. ID. No. 8.

15. The isolated nucleic acid of claim 14, wherein said polynucleotide sequence is SEQ. ID. No. 8.

16. The isolated nucleic acid of claim 1, wherein said polynucleotide sequence hybridizes under said stringent conditions to a complement of SEQ. ID. No. 9.

17. The isolated nucleic acid of claim 16, wherein said polynucleotide sequence is SEQ. ID. No. 9.

18. The isolated nucleic acid of claim 45, wherein said polynucleotide sequence hybridizes under said stringent conditions to a complement of SEQ. ID. No. 10.

19. The isolated nucleic acid of claim 18, wherein said polynucleotide sequence is SEQ. ID. No. 10.

23. The isolated nucleic acid of claim 1, which is a cDNA molecule.

45. The isolated nucleic acid of claim 1, wherein said nucleic acid has a length greater than about 50 nucleotides.

46. The isolated nucleic acid of claim 1, wherein said nucleic acid is a DNA molecule.

47. An isolated nucleic acid molecule comprising a promoter operably linked to a polynucleotide sequence selected from the group consisting of SEQ. ID. No. 2, SEQ. ID. No.3, SEQ. ID. No.4, SEQ. ID. No.5, SEQ. ID. No.6, SEQ. ID. No.7, SEQ. ID. No.8, SEQ. ID. No.9, SEQ. ID. No.10, and SEQ. ID. No. 12.

48. The polynucleotide molecule of claim 47, wherein said promoter is operably linked to a nucleic acid having the sequence of SEQ. ID. No: 2.

49. The polynucleotide molecule of claim 47, wherein said promoter is operably linked to a nucleic acid having the sequence of SEQ. ID. No: 3.

50. The polynucleotide molecule of claim 47, wherein said promoter is operably linked to a nucleic acid having the sequence of SEQ. ID. No: 4.

51. The polynucleotide molecule of claim 47, wherein said promoter is operably linked to a nucleic acid having the sequence of SEQ. ID. No: 5.

52. The polynucleotide molecule of claim 47, wherein said promoter is operably linked to a nucleic acid having the sequence of SEQ. ID. No: 6.

53. The polynucleotide molecule of claim 47, wherein said promoter is operably linked to a nucleic acid having the sequence of SEQ. ID. No: 7.

54. The polynucleotide molecule of claim 47, wherein said promoter is operably linked to a nucleic acid having the sequence of SEQ. ID. No: 8

55. The polynucleotide molecule of claim 47, wherein said promoter is operably linked to a nucleic acid having the sequence of SEQ. ID. No: 9.

56. The polynucleotide molecule of claim 47, wherein said promoter is operably linked to a nucleic acid having the sequence of SEQ. ID. No: 10.

57. The polynucleotide molecule of claim 47, wherein said promoter is operably linked to a nucleic acid having the sequence of SEQ. ID. No: 12.

58. An isolated nucleic acid molecule comprising a polynucleotide sequence that hybridizes under stringent conditions to a sequence or to a complement of a sequence selected from the group consisting of SEQ. ID. NO. 2, SEQ. ID. NO.3, and SEQ ID NO: 12, wherein said stringent conditions comprise a 0.02 molar salt concentration and a temperature of at least 60°C.

59. The isolated nucleic acid of claim 58, wherein said polynucleotide sequence hybridizes under said stringent conditions to a complement of SEQ. ID. No. 2.

60. The isolated nucleic acid of claim 58, wherein said polynucleotide sequence hybridizes under said stringent conditions to a complement of SEQ. ID. No. 3.

61. The isolated nucleic acid of claim 58, wherein said polynucleotide sequence hybridizes under said stringent conditions to a complement of SEQ. ID. No. 12.

62. The isolated nucleic acid of claim 61, wherein said polynucleotide sequence is SEQ. ID. No. 12.

63. The isolated nucleic acid of claim 58, wherein said nucleic acid is labeled.

64. An isolated nucleic acid molecule comprising a polynucleotide sequence selected from the group consisting of SEQ ID No. 9, SEQ ID No. 10, and SEQ ID No. 12

65. The isolated nucleic acid of claim 64, wherein the sequence is SEQ ID NO. 9.

66. The isolated nucleic acid of claim 64, wherein the sequence is SEQ ID NO. 10.

67. The isolated nucleic acid of claim 64, wherein the sequence is SEQ ID NO. 12.

68. The isolated nucleic acid of claim 1, wherein the labeled polynucleotide sequence comprises a radioactive label, a fluorescent label, an electron-dense reagent, a colorimetric label, or a magnetic label.

69. The isolated nucleic acid of claim 1, wherein the labeled polynucleotide sequence comprises a biotin moiety, a dioxigenin moiety, a hapten, or an antigenic protein.